

AGREEMENT,

Attachment # 1  
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THIS AGREEMENT dated this \_\_\_\_\_ day of \_\_\_\_\_ by and between LEON COUNTY, a political subdivision of the State of Florida, hereinafter referred to as the "County" and McGlynn Laboratories, Inc., hereafter referred to as the "Contractor."

WITNESSETH

For any in consideration of the mutual covenants, restrictions, and representations set forth herein, the sufficiency of which is hereby acknowledged, County and Contractor do hereby agree as follows:

1. The County and Contractor entered into an Agreement dated September 22, 1999, which Agreement allows for changes to be made to the agreement with prior written agreement signed by the parties thereto. The parties hereby agree to the following changes:
  - a. Extend the Agreement to September 30, 2004
  - b. Revised Scope of Services as contained in Attachment A
2. The total cost of this extended contract will be: \$158,630.00.
3. All other provisions of the September, 1999 Agreement remain in full force and effect.
4. This agreement shall become effective upon full execution hereof by both parties.

IN WITNESS WHEREOF, the parties evidence their agreement through the execution of this AGREEMENT by their duly authorized signatories.

**MCGLYNN LABORATORIES INC**

WITNESS: \_\_\_\_\_

BY: \_\_\_\_\_  
President

WITNESS: \_\_\_\_\_

DATE: \_\_\_\_\_

(CORPORATE SEAL)

STATE OF FLORIDA  
COUNTY OF LEON

The foregoing instrument was acknowledged before me this \_\_\_\_\_ day of \_\_\_\_\_ 20 \_\_,

By \_\_\_\_\_, of McGlynn Laboratories, Inc., a Florida corporation, on behalf of the corporation. He/she is personally known to me or has produced \_\_\_\_\_ as identification.  
(type of identification)

\_\_\_\_\_  
Signature of Notary

\_\_\_\_\_  
Print, Type or Stamp Name of Notary

\_\_\_\_\_  
Title or Rank

\_\_\_\_\_  
Serial Number, If Any

LEON COUNTY FLORIDA

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BY: \_\_\_\_\_  
Tony Grippa, Chairman  
Board of County Commissioners

DATE: \_\_\_\_\_

ATTEST:  
Bob Inzer,  
Clerk of Circuit Court

BY: \_\_\_\_\_

Approved as to Form:  
Leon County Attorney's Office

BY: \_\_\_\_\_  
Herbert W. A. Thiele, Esq.  
County Attorney

**Attachment A**  
**SCOPE OF SERVICES TO BE PROVIDED**

Attachment # 1  
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- a. Regular Lake Monitoring: \$110,000.00
  - Water Quality: 33 stations x 12 months x \$200.00 = \$79,200.00
  - Sediment Quality: 33 stations x 1 annual sampling x \$250.00 = \$8,250.00
  - Aquatic Plants: 33 stations x 4 annual samplings x \$110.00 = \$14,520.00
  - Meetings: 30 hours x \$92.00/hour, PI = \$2,760.00
  - Report: \$5270.00
  - (Sampling locations, parameters, deliverables, etc. detailed in Item 1 through 6)
- b. Contingency Sampling: \$4400.00
  - 22 stations x \$200.00 = \$4400.00
  - (sampling locations to be determined by the County, water quality parameters detailed in Section 1)
- c. Algal Bloom Characterization: \$7500.00
  - 5 samples x \$1500.00 = \$7500.00
  - (algal bloom will be taxonomically identified and evaluated for human health hazards, phycotoxins and toxicity)
- d. Bradford Brooks Chain of Lakes: \$7,200.00
  - 3 stations x 12 months x \$200.00
  - (water quality parameters detailed in Section 1)
- e. Bacteriological Sampling, fecal and total Coliforms: \$7,920.00
  - 33 Stations x 12 months x \$20.00
  - (sampling locations are detailed in Section 1)
- f. Stormwater Pond Nutrient Removal Potential: \$6,400.00
  - 4 Ponds x 2 samples per pond x 4 per year x \$200.00
  - (sampling locations to be determined by the County, water quality parameters detailed in Section 1)
- g. Tributary Water Quality Assessment: \$10,000.00
  - 50 Samples x \$200.00
  - (sampling locations to be determined by the County, water quality parameters detailed in Section 1)
- h. STORET data base entry: \$5000.00
  - (Billed at and hourly rate of \$50.00, technicians)
- i. Duplication: \$210.00
  - (Billed at cost for commercial photocopies, ie. Office depot)
- 1) Water Quality Monitoring
  - a) The following lakes are to be monitored
    - i) Carr
    - ii) Jackson
    - iii) Hall
    - iv) Munson
    - v) McBride
    - vi) Lafayette
    - vii) Iamonia
    - viii) Miccosukee
    - ix) Talquin
    - x) Weeks
    - xi) Ochlockonee River
  - b) Stations, 33 monitoring locations for these lakes above shall include the following
    - i) Carr (1)
    - ii) Jackson (6)
    - iii) Hall (2)
    - iv) Munson (3)
    - v) McBride (2)
    - vi) Lafayette (6)
    - vii) Iamonia (7)
    - viii) Miccosukee (1)
    - ix) Talquin (2)
    - x) Weeks (1)
    - xi) Ochlockonee River (2)

**Scope Of Services Water Quality Monitoring**  
McGlynn Laboratories, Inc.

- c) Monitoring shall be performed at approximately monthly intervals; i.e., there shall be twelve sampling dates for each lake location.
- d) The following parameters are to be monitored at locations specified in paragraph 1.b. of this scope of services:
  - i) Field Parameters
    - (1) Time of Day
    - (2) Cloud Cover
    - (3) Windspeed and Direction
    - (4) Air Temperature
  - ii) Physical-Chemical Parameters
    - (1) Station depth
    - (2) Stage
    - (3) Secchi Depth
    - (4) Water Temperature
    - (5) Turbidity (NTU)
    - (6) Dissolved Oxygen (mg/L)
    - (7) Percent Saturation
    - (8) pH
    - (9) Conductivity
  - iii) Nutrients/ Laboratory Chemistry Parameters
    - (1) Turbidity (NTU)
    - (2) True Color (PtCo Units)
    - (3) Alkalinity (mg/L)
    - (4) Chloride (mg/L)
    - (5) TSS, Residue, @ 103-105 degrees C (mg/L)
    - (6) VSS, Residue, Volatile (mg/L)
    - (7) FSS, Residue, Fixed (mg/L)
    - (8) TDS, Residue, @ 103-105 degrees C (mg/L)
    - (9) VDS, Residue, Volatile (mg/L)
    - (10) FDS, Residue, Fixed (mg/L)
    - (11) Ortho-Phosphorus (mg/L, filtered in the field)
    - (12) Total Phosphorus (TP, mg/L)
    - (13) Total Inorganic Phosphorus (TIP, mg/L)
    - (14) Nitrite (mg/L)
    - (15) Nitrate + Nitrite (mg/L)
    - (16) Nitrate (mg/L)
    - (17) Total Inorganic Nitrogen (TIN, mg/L)
    - (18) TIN/TIP Ratio
    - (19) Ammonia (mg/L)
    - (20) Total Kjeldahl Nitrogen (TKN, mg/L)
    - (21) Total Nitrogen (TN, mg/L)
    - (22) TN/TP Ratio
    - (23) Chlorophyll (mg/L)
    - (24) Pheophytin (mg/L)
    - (25) Dissolved Organic Carbon (DOC, mg/L)
    - (26) Particulate Organic Carbon (POC, mg/L)
    - (27) Total Organic Carbon (TOC, mg/L)
  - iv) Sediments (sampled annually)
    - (1) Sediment Depth
    - (2) Sediment Type/Grain Size
    - (3) Depth from sediment/water interface to underlying hard pan
    - (4) Moisture Content of Sediment (mg/kg)
    - (5) Organic Content of Sediment (mg/kg)
    - (6) Inorganic Content of Sediment (mg/kg)
    - (7) Total Kjeldahl Nitrogen (mg/kg, dry weight)
    - (8) Total Phosphorus (mg/kg, dry weight)

**Scope Of Services Water Quality Monitoring**  
**McGlynn Laboratories, Inc.**

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- v) Biology (sampled quarterly)
    - (1) Estimated percent coverage of the lake bottom by submerged and emergent macrophytes within three non-overlapping randomized quadrants
    - (2) Estimated percent coverage of the lake surface by submerged and emergent macrophytes within three non-overlapping randomized quadrants
    - (3) Estimated percent total volume of the water column occupied by submerged and emergent macrophytes within three non-overlapping randomized quadrants
    - (4) Identify the dominant species and two subdominant species of macrophytes occurring at each station.
  - vi) algal toxicity assays (5) can be run on algal blooms in any of the lakes specified in Section 1, B at the request of the Counties Environmental Compliance Director.
- 2) Sample Collection and Analysis
- a) All sample collection shall be consistent with a Comprehensive Quality Assurance Plan (CompQAP) that has been approved by the Florida Department of Environmental Protection.
  - b) If necessary, the CompQAP shall be updated prior to October 31, 1999 to ensure reliability for all sampling after that date.
  - c) All physical and chemical test methods shall be included in the CompQAP.
  - d) Any amendments to the existing CompQAP shall be submitted to FDEP with 60 days of execution of contract.
  - e) For any sampling activities where the contractor has not adopted FDEP Standard Operating Procedures then a copy of the appropriate section of the approved Comprehensive Quality Assurance Plan defining such sampling procedures to be used shall be submitted.
  - f) The contractor shall submit a copy of FDEP form 62-160.900(2) "Statement of Intent To Comply With The Department of Environmental Protection Standard Operating Procedures For Laboratory Operations And Sample Collection Activities."
  - g) Leon County reserves the right to designate and request the sampling of no more than 20 additional stations (stations to be sampled upon request) with complete water chemistry.
- 3) Reporting Requirements
- a) Data shall refer to all sampling results from monitoring conducted under contract with Leon County between October 2003 and September 2004 on the waterbodies named in paragraph 1.A of this Scope of Services. This shall include the following information:
    - (1) Physical-Chemical
    - (2) Date
    - (3) Lake
    - (4) Station ID Number
    - (5) Sample depth (i.e., surface or bottom)
    - (6) Field parameters in sequence per paragraph I.D.1. of this Scope of Services
    - (7) Physical-Chemical parameters in sequence per paragraph I.D.2 of this Scope of Services
    - (8) Nutrients/chemistry parameters in sequence per paragraph I.D.3 of this Scope of Services
    - (9) Biologicals
      - (a) Date
      - (b) Lake
      - (c) Station ID Number
      - (d) Macrophyte parameters (paragraph I.D.4 of this Scope of Services)

4) Invoices

Monthly invoices shall be submitted to the County by McGlynn Laboratories, Inc.

**Scope Of Services Water Quality Monitoring**  
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5) Deliverables

- a) A report identifying dates of sampling, numbers and types of lab tests performed, and results of QA/QC procedures including a narrative summary of results, all required field replicates and blanks completed shall be submitted with each quarterly invoice. The quarterly invoice shall be accompanied by a detailed list of samples taken and parameters analyzed. Analytical results will be submitted within 60 days from the quarterly invoice. QA/QC results shall include determined concentrations for any samples provided by Leon County. Contractor shall attend one staff meetings at Leon County Growth Management per month for the purpose of interfacing with county staff on lake ecology matters (requests to attend additional staff meetings will be communicated by the Project Manager. McGlynn Laboratories, Inc. will bill Leon County \$92.00 per hour for the time spent at these additional meetings, there will be no additional billing for the regular monthly meetings)
- b) Digital files related to the long-term water quality monitoring program concerning the TSI, Trophic State Index shall be calculated for each station and depicted graphically. This item will be delivered to the County along with the monthly data set, within 60 days of invoicing. All data shall have been subject to QA/QC requirements associated with Section II of this Scope of Services. Summary digital files addressing all sampling dates from October 2003 through September 2004, and including any corrections to data shall be delivered by 30 November 2003.
- c) A written report summarizing the water quality data for individual lakes and the six lakes as a group shall include text and/or graphics describing only the following statistics for the each of the physical and chemical parameters [due by 30 November 2004]:
  - i) Numbers of samples
  - ii) Minimum values
  - iii) Maximum values
  - iv) Ranges
  - v) Population means
  - vi) Population standard deviations
  - vii) An assessment of the reliability of all reported data based on application of QA/QC to the database.
- d) A written determination of baseline conditions for the lakes studied. 'This determination shall be made in consultation with the County's project administrator and shall reflect the content of the County's existing lakes database. [Due by 30 November 2004]
- e) A written estimation of trends for the lakes studied based upon the baseline conditions established in paragraph IV.D of this Scope of Services. [Due by 30 November 2004]

6) Use of Data

Pending the receipt and public dedication of the data and reports at the conclusion of this contract, Leon County may use all or any part of the data delivered under the schedule described under Section IV of this Scope of Services.